The Incredible Cell Project

You will be required to construct a model of a plant OR animal cell. All models must be made out of materials that will not spoil. Material ideas include string, yarn, rubber bands, beads, shoeboxes, Styrofoam balls, poster board, dry pasta, rocks, glitter, etc. Your project must be labeled. Use the questions in the grading section to help you develop a good project.

YOU MUST TURN IN THIS SHEET WITH YOUR PROJECT TO BE GRADED!

**Each model must include the following organelles:**

* Cell wall (if plant cell)
* Chloroplasts (if plant cell)
* Cell membrane
* Mitochondria
* Nucleus
* Nuclear membrane
* Vacuole (must be an acceptable size based on the type of cell you are making)
* Endoplasmic Reticulum (must connect from nucleus to outside of cell)
* Cytoplasm (can be the background of the poster or project but must be a color)
* *Bonus points will be given for any extra structures you add to your project. Added structures must be looked up in a book, picture, or on a computer. You must tell me the name of the structure and its job.*

**Grades will be based on the following:**

\_\_\_\_\_5 points- Is your name on the project?

\_\_\_\_\_5 points- Is the cell type identified as plant or animal?

\_\_\_\_\_5 points for neatness and creativity

\_\_\_\_\_15 pts- Does the project have 3-D parts representing cell structures (dry pasta, string, beads…) \*\*Points will **not** be given for just drawing and coloring a poster board!! You must glue things on.\*\*

\_\_\_\_\_40 points- Are all the organelles included? (9 for plant cells, 7 for animal cells)

\_\_\_\_\_30 points- Are the organelles correctly labeled? (Each organelle must be labeled with its name and job. You may make a key and attach it with the project or you may label each organelle)

Example of a label:

Mitochondria

Job: Makes energy for the cell